

# DISASTER MANAGEMENT SECTOR PLAN

## NQUTHU MUNICIPALITY



**MARCH 2017**



# **MUNICIPAL DISASTER MANAGEMENT SECTOR PLAN**

## ***1. STATUS OF MUNICIPAL INSTITUTIONAL CAPACITY***

### **1.1. Municipal Disaster Management Centre**

Nquthu Disaster Management Centre was established in January 2013, the centre is manned 13 officials working on a shift system. The centre uses 24/7 system and respond to all disastrous incidents. Even though there the structure is not yet built to accommodate disaster management function, the park homes are used to accommodate such function. The municipality designated 034 271 6102 as the call centre number. The number will be spread down to communities once fully operational.

#### **1.1.2 STAFFING**

The municipality appointed Disaster Management Manager to implement its disaster management plan. Fourteen qualified fire-fighters are serving the Municipality on a permanent basis. Station Officer, Disaster Management Officer, and two Fire Fighter positions are vacant. Umzinyathi District Municipality recruited and deployed six disaster management volunteers for Nquthu Municipality. The six volunteers are serving Nquthu disaster management and assist with firefighting services.

#### **1.1.3 RESOURCES**

##### **1.1.3.1 VEHICLES**

Nquthu Disaster Management Centre has seven specialized vehicles allocated to it. Four of these vehicles fall under specialised categories which are 2 Fire Engines, Fire Tanker and Rapid Intervention Vehicle. The other three are skid unit bakkies which specialise in wild fire fighting and disaster response.

##### **1.1.3.2 OFFICE SPACE**

Currently, the disaster management functions are performed in two park homes. There is no structure built for disaster management and emergency services. There are no parking bays for apparatus and equipment. The site was allocated in 2013, the site has been fenced.

#### **1.1.3.3 COMPUTERS**

The Municipality procured one desktop computer for a Fire Station and one laptop for disaster management manager.

### **1.2 Municipal Disaster Management Policy Framework**

The policy framework for disaster management was developed and adopted by the council in 2012.

### **1.3 Municipal Disaster Management Plan**

The Disaster Management plan for Nquthu Municipality is in place.

### **1.4 Municipal Disaster Management Inter-Departmental Committee**

The inter-departmental committee is not yet established. [isaac.nkowane@vexoscore.co.za](mailto:isaac.nkowane@vexoscore.co.za)

### **1.5 Municipal Disaster Management Advisory Forum**

The municipality established the advisory forum through OSS for consultation purposes and technical advice.

## 2. DISASTER RISK ASSESSMENT

### 2.1 List of Priority Risks (Hazards)

Nquthu faces increasing levels of disaster risk. It is exposed to a wide range of weather hazards, including lightning, thunderstorms; strong winds, hailstorms, veld fires, structural fires, land degradation, drought, and heavy rains that result in flooding that can trigger widespread hardship and devastation. In addition to these natural and human-induced threats and despite ongoing progress to extend essential services to poor urban and rural communities, large numbers of people live in conditions of chronic disaster vulnerability in underserved, ecologically fragile or marginal areas where the face recurrent natural and other threats.

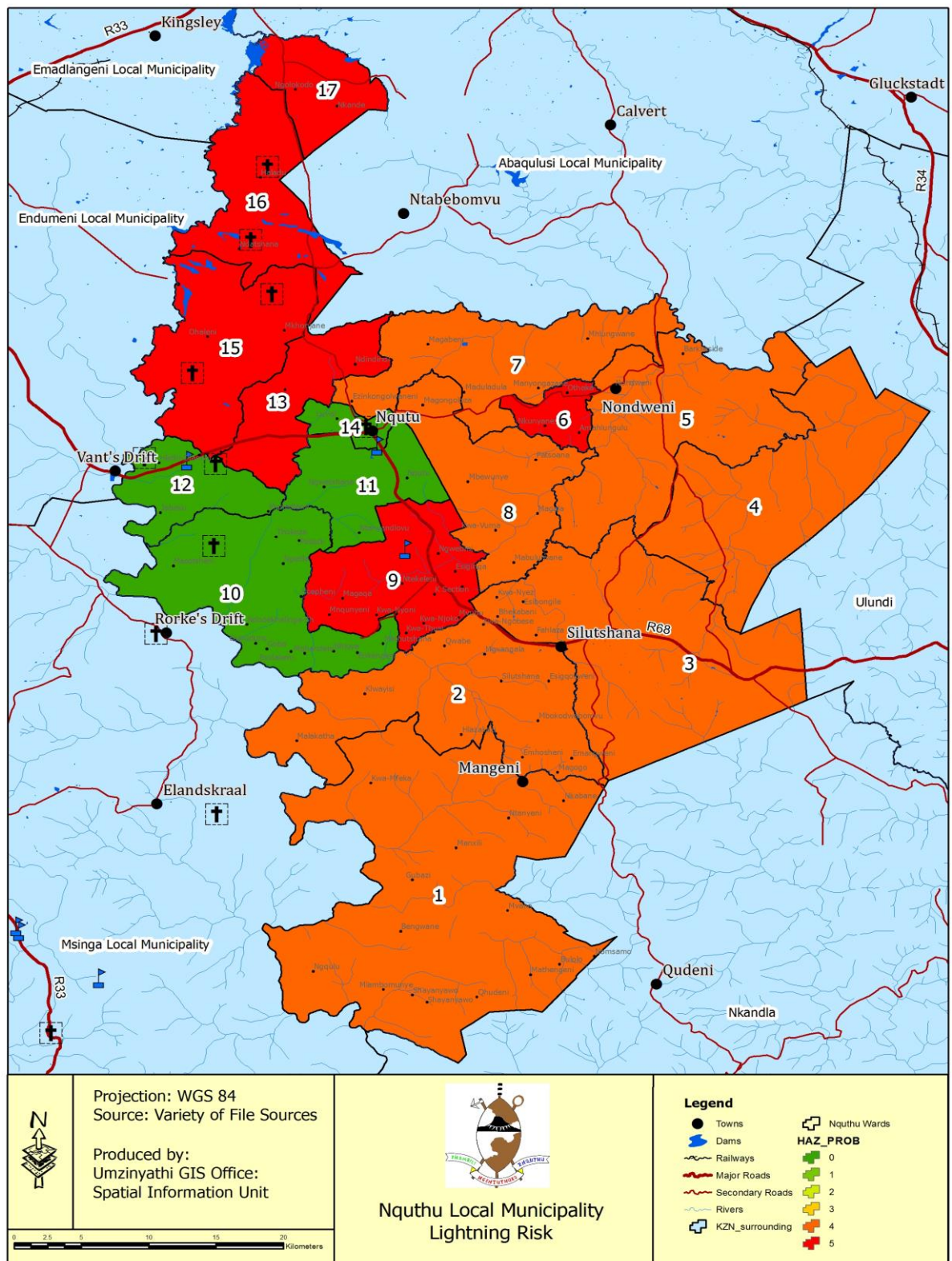
The risk profile is tabled below. The disaster risk was assessed by the municipal disaster management officials in partnership with ward committees to public participation programmes.

Type of hazards	Potential Consequence		
	Moderate	Major	Extreme
Thunderstorm and Lightning			All wards
Heavy rain and floods		Ward 10, 2, 1, 14, 17	
Structural fires		All wards	
Veld fires			Ward 1-17 <i>except</i> Ward 14
Drought	Ward 1,2,3,4,5,8,9,10,15,16.		
Epidemics	All wards		
Hailstorm and strong winds		Ward 2, 10, 4, 12	
Land degradation		All wards	

Event	Likelihood	Consequence	Overall risk rating comments	Controls	Mitigations
Thunderstorm & Lightning	Almost certain	Major	Very High	<ul style="list-style-type: none"> <li>Educational awareness.</li> <li>Issue warning orders.</li> </ul>	<ul style="list-style-type: none"> <li>Installation of lightning prevention devices.</li> <li>Nquthu Ready Summer Campaign.</li> </ul>
Heavy rain & Floods	Almost certain	Moderate	High	<ul style="list-style-type: none"> <li>Educational awareness.</li> <li>Issue warning orders.</li> <li>Floods awareness maps</li> </ul>	<ul style="list-style-type: none"> <li>Relocation to safer sites</li> <li>Weather forecast</li> </ul>
Road network floods	Almost certain	Moderate	High	<ul style="list-style-type: none"> <li>Flood awareness maps</li> <li>Signage</li> <li>Educational awareness</li> </ul>	<ul style="list-style-type: none"> <li>Floodwise education</li> <li>Operational preparedness and response</li> </ul>
Veldfires	Almost certain	Major	Very high	<ul style="list-style-type: none"> <li>Bushfire hazard risk map.</li> <li>Pre-burning.</li> </ul>	<ul style="list-style-type: none"> <li>Resourced and trained fire staff.</li> <li>Community and stakeholder engagement.</li> <li>Fire-fighting vehicles.</li> <li>Fire breaks maintained.</li> </ul>
Structural fires	Possible	Major	Very high	<ul style="list-style-type: none"> <li>Issue warning orders.</li> <li>Continuous inspections.</li> </ul>	<ul style="list-style-type: none"> <li>Awareness creation.</li> <li>Fire-fighting equipment and vehicles.</li> </ul>
Major transport	Possible	Major	Medium	<ul style="list-style-type: none"> <li>Issue warning orders.</li> <li>Network</li> </ul>	<ul style="list-style-type: none"> <li>Planning in effect.</li> </ul>

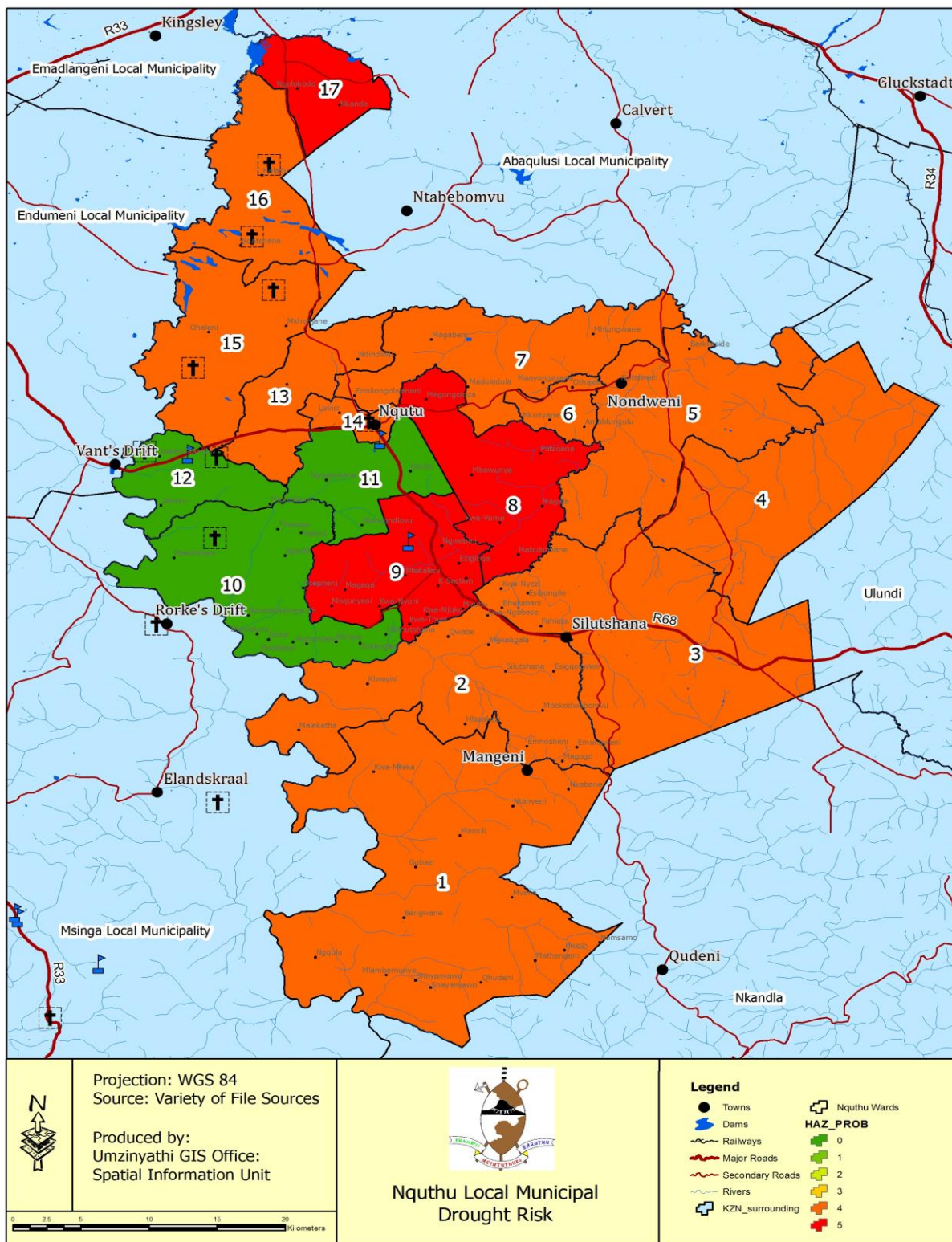
accidents				Coordination Centre.	
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## 2.2 Hazard Maps

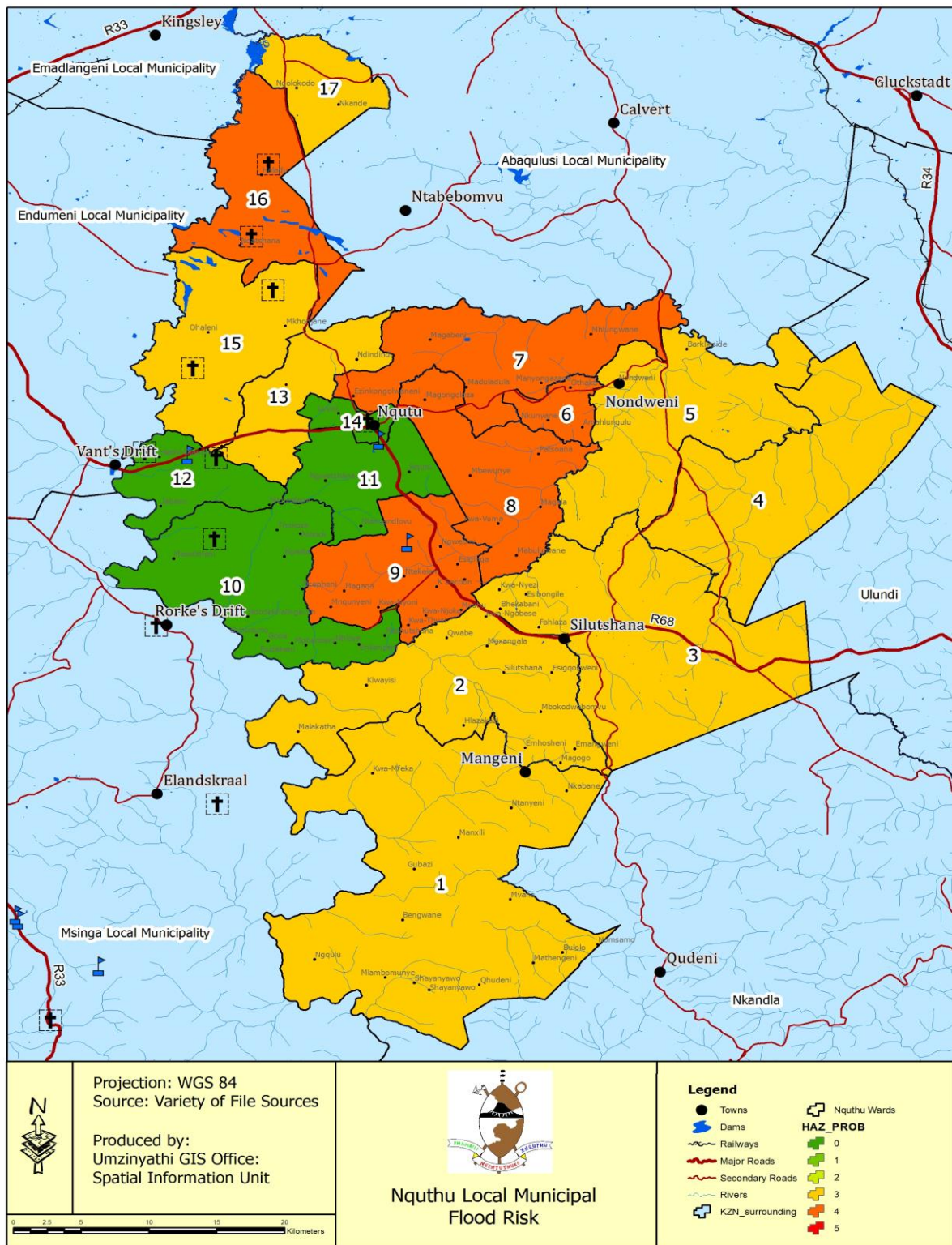


**Figure 1: Lightning hazard map**



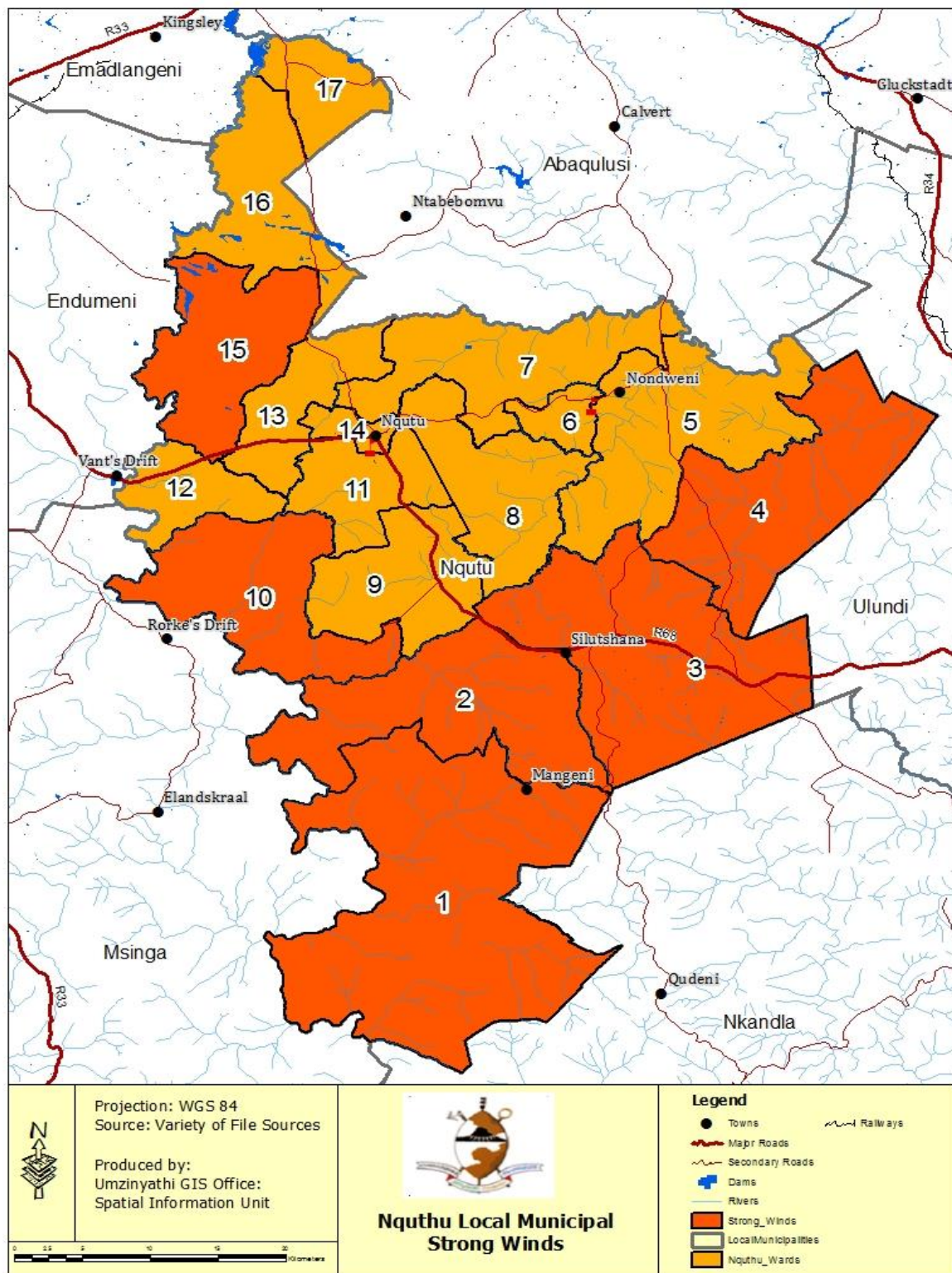


**Figure 2: Map depicting drought hazards in Nquthu**

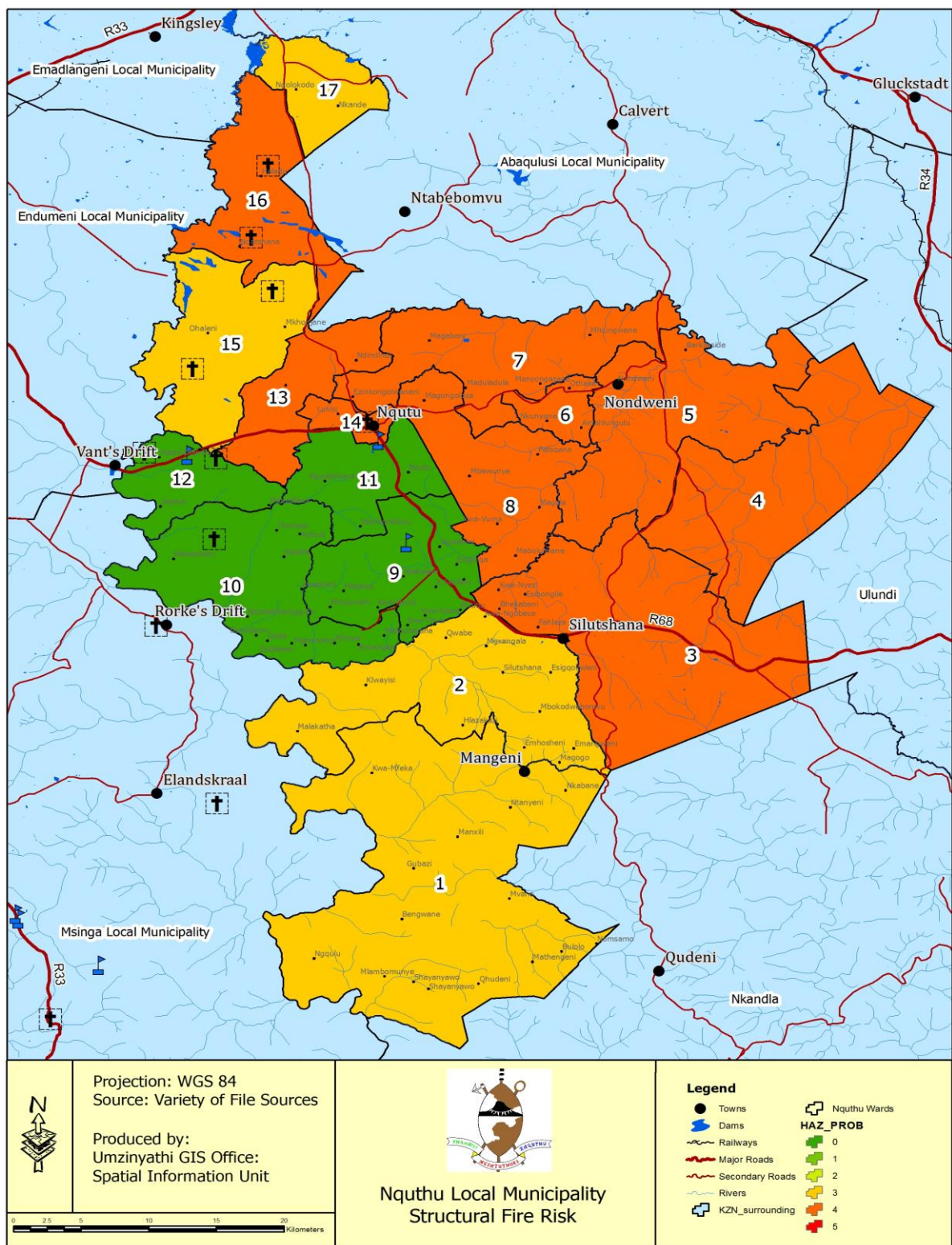


**Figure 3: Map depicting flooding hazards in Nquthu**



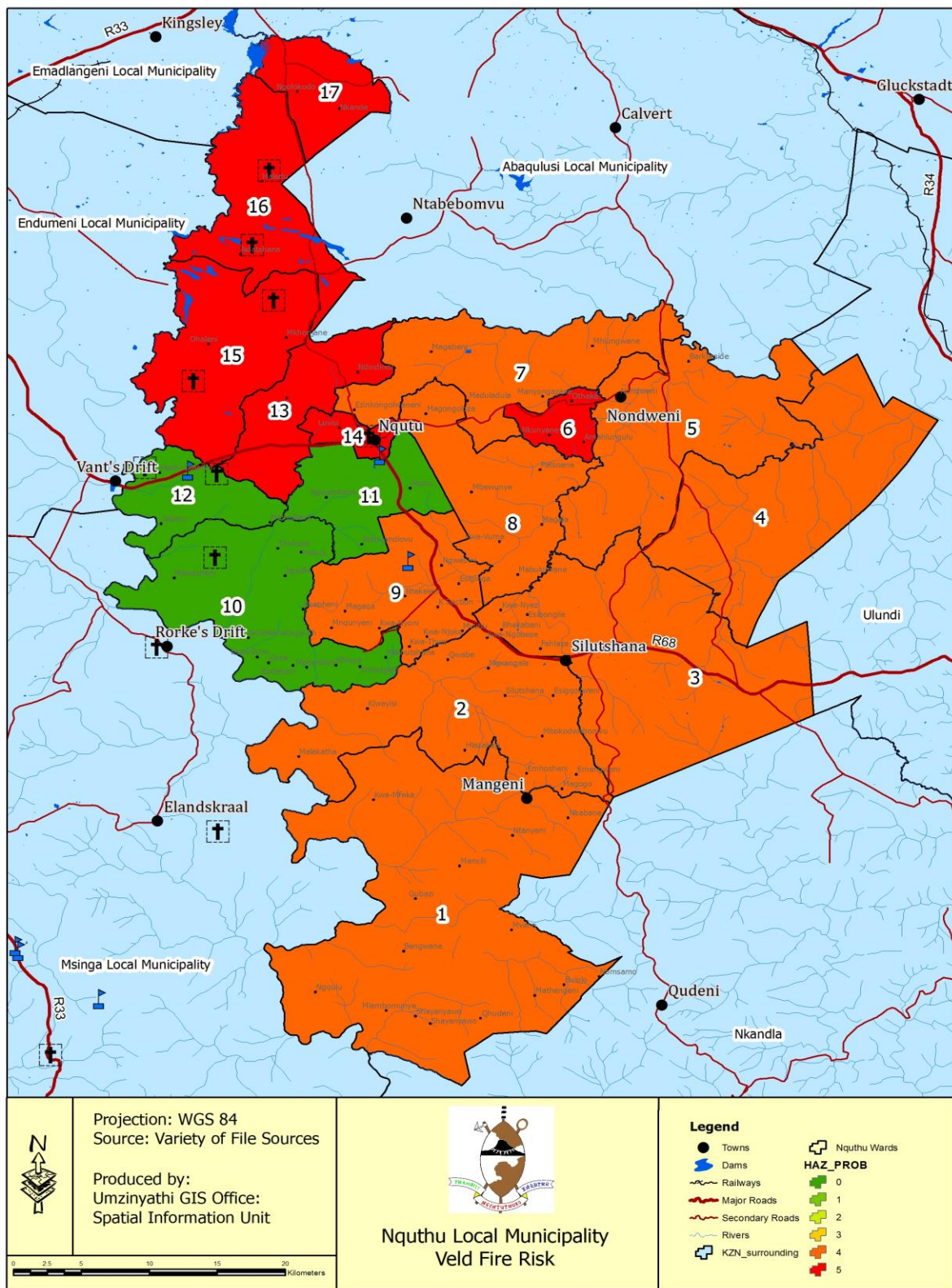


**Figure 4: Map depicting strong winds hazards in Nquthu**

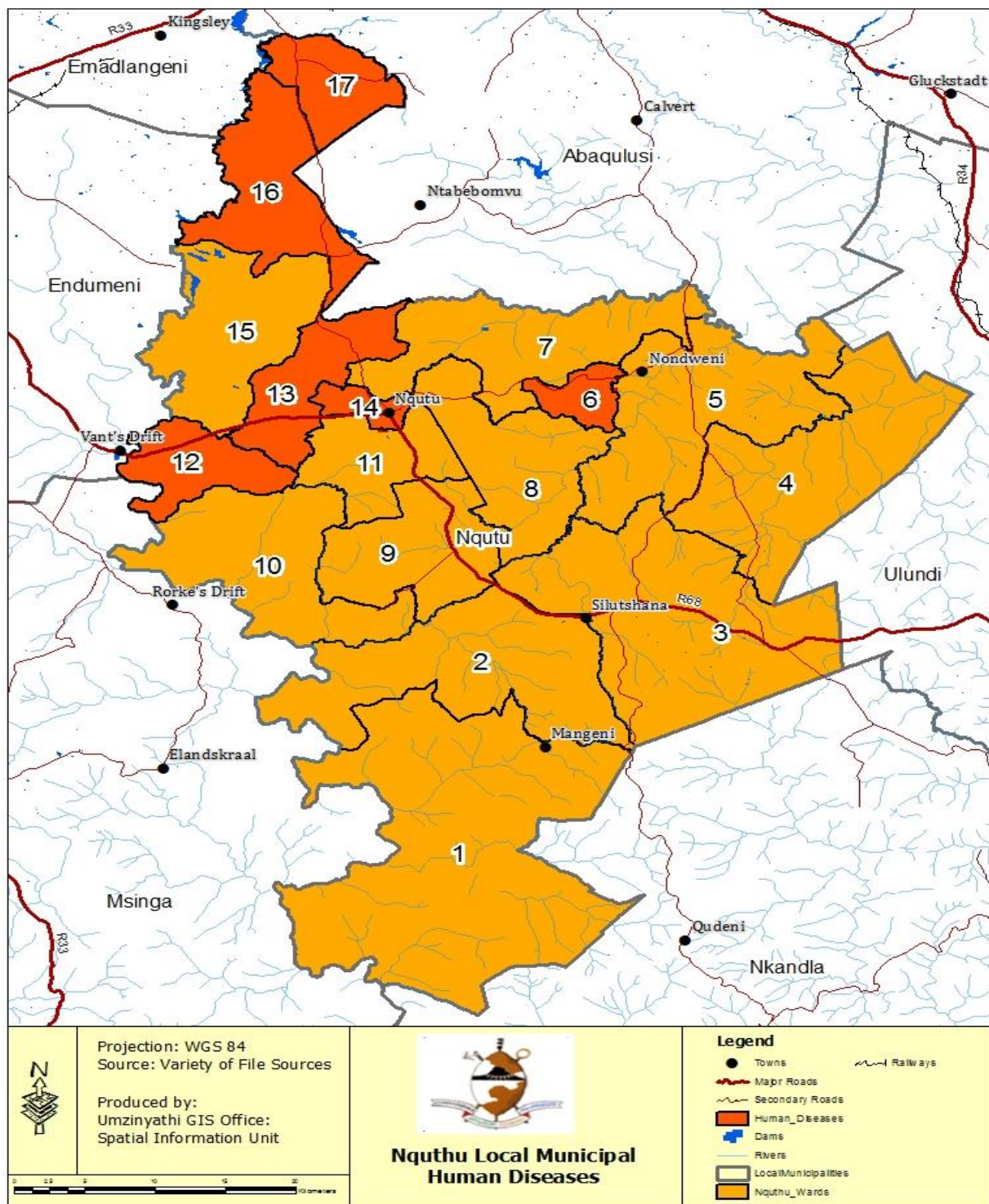


**Figure 5: Map depicting structural fire hazards in Nquthu**





**Figure 6: Map depicting veldfire hazards in Nquthu**



**Figure 7: Map depicting Human diseases in Nquthu**



## 2.3 Vulnerability Maps

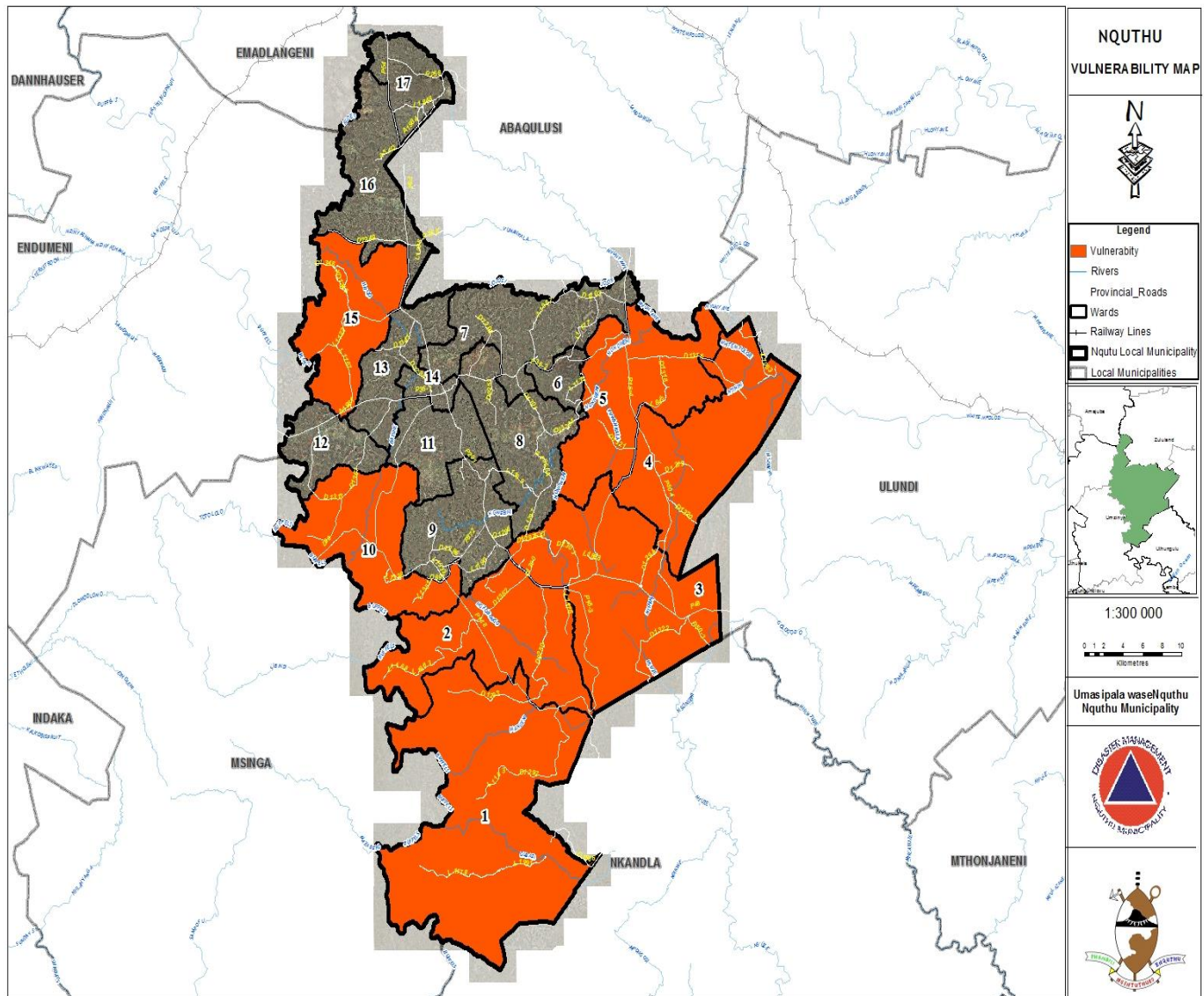
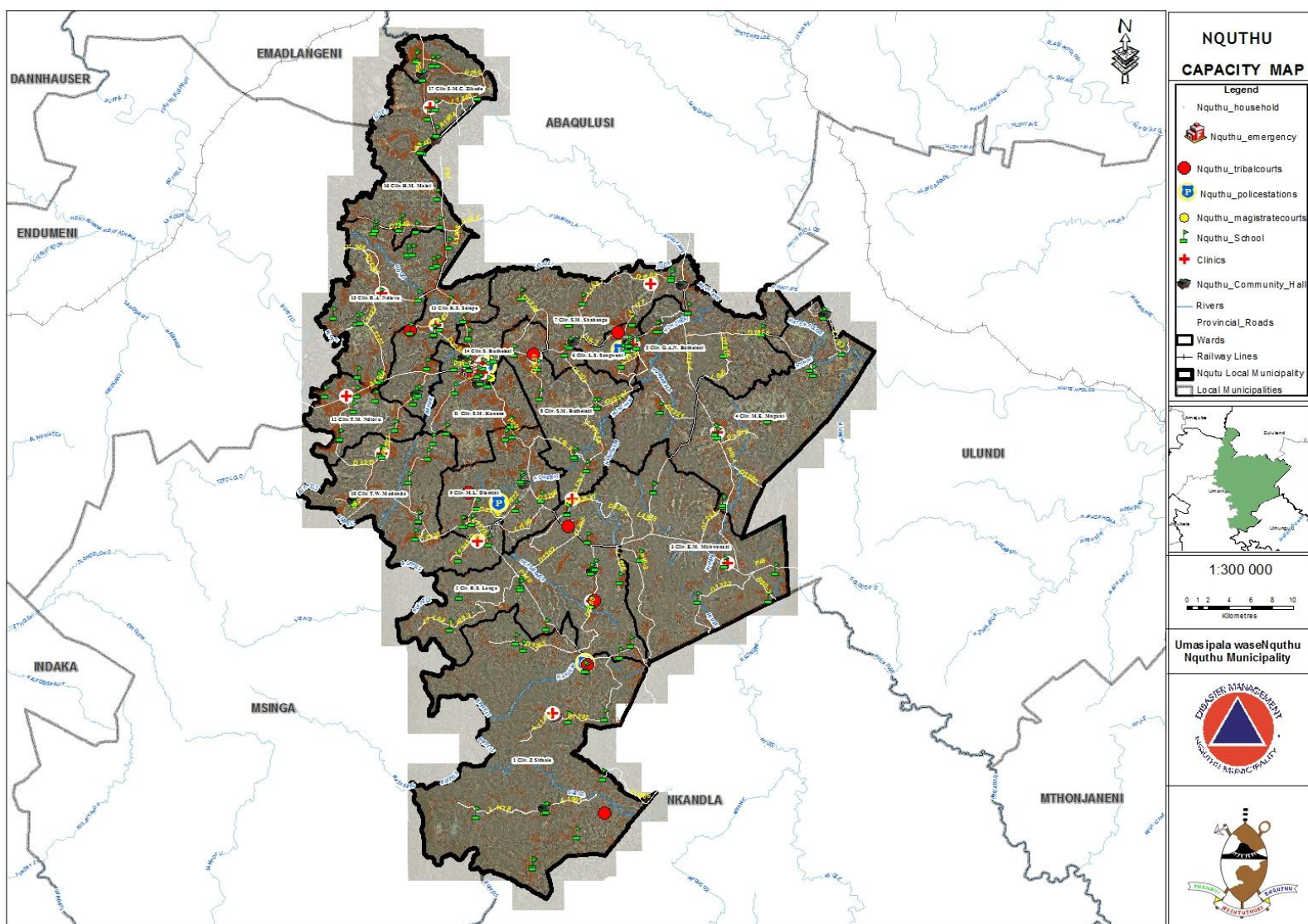


Figure 9: Map depicting vulnerability in Nquthu

## 2.4 Capacity Maps



*Figure 10: Map depicting capacity in Nquthu*

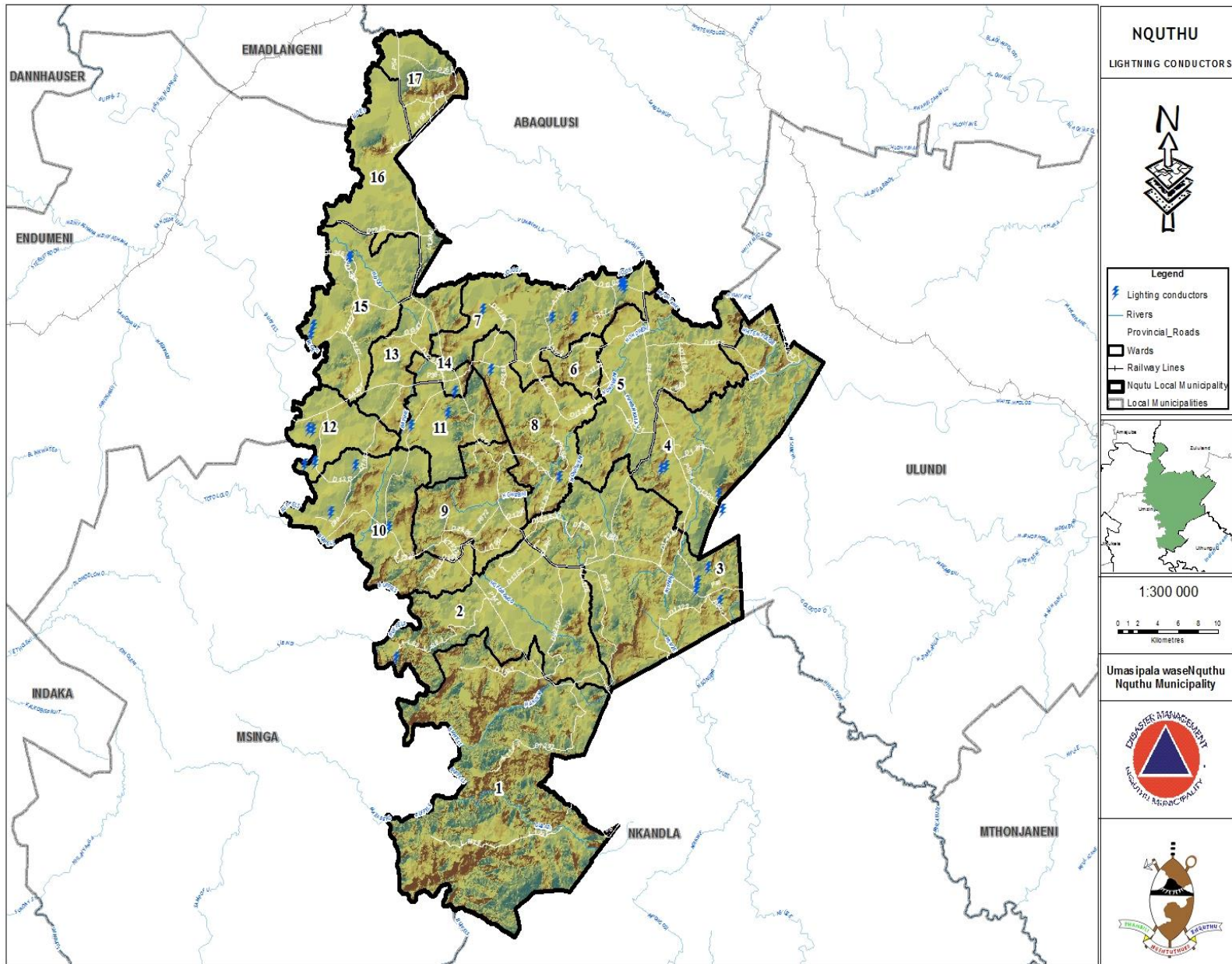


### **3. DISASTER RISK REDUCTION**

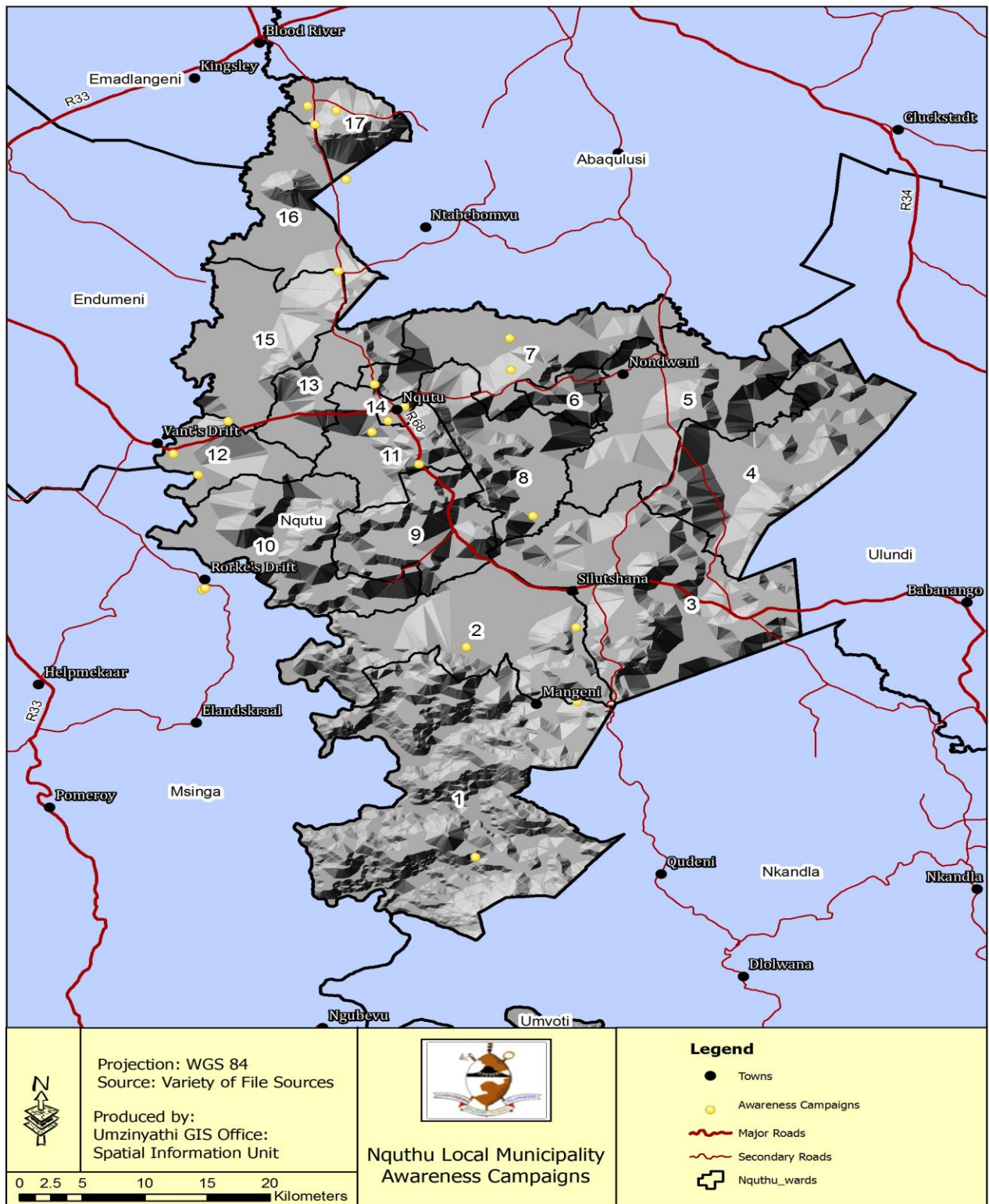
#### **3.1 Disaster Management Programmes/Projects by Municipality**

<b>NAME OF THE PROJECT</b>	<b>BUDGET</b>	<b>TARGETED AREAS</b>	<b>DATE</b>
Installation of lightning conductors	R2 200 000	all homestead previously attacked by lightning strikes/bolts	30 June 2018
Roll out of awareness campaigns	R100 000	All wards	30 June 2018
Fire and rescue	R780 000	To serve the whole community	30 June 2018
Disaster response, and post disaster recovery	R660 000	All disaster victims in all 17 wards	30 June 2018

### 3.2.1 Installation of lightning conductors



**Figure 11: Map showing installation of lightning conductors.**



**Figure 12: Map showing disaster risk management awareness coverage**

#### **4. DISASTER RESPONSE AND RECOVERY**

##### **1.1 Municipal Capacity in terms of Response and Recovery**

The municipality makes budget provision every financial year to procure disaster relief stock in a form of food parcels, blankets, plastic sheets, and sponges. The relief stock gets distrusted to victims when assessments and needs are identified. The municipality responds to all disastrous incidents in partnership with relevant stakeholders.

##### **1.2 List of relevant stakeholders in Response and Recovery**

<b>STAKEHOLDER</b>	<b>CONTACT DETAILS</b>	<b>MANDATE</b>
Dept of Social Development  Ms Z. Nkomentaba	034 – 271 1924  082 955 4195	Provide food hampers and psycho-social support
Dept of Education  S. Zitha	034 – 271 0021  082 336 9930	Attend to related quires.
Dept of Health  Ms M.Z Khanyile	034 – 271 6400  071 855 7806	assistance to injured victims and cater for mass casualties
SASSA	034 – 271 1911	Provide grants to qualifying applicants
EMRS  Mr N Shrikrishan	034 – 219 1018  082 809 8304	Emergency medical rescue
Fire Brigade Services  Mr M.F Ndlovu	034-271 6102  072 547 6030	Fire control,  Search and rescue
SAPS Nquthu	034 – 271 023	Maintain order and peace

	082 826 8967	Search and rescue
RTI	034 – 271 0287	Traffic control
Mr P. Mthembu	082 969 3999	Road safety
Al-Imdaad Foundation		Provide emergency relief to victims
Abed Karim	082 587 8602	
Umzinyathi District Disaster Management centre	034 212 2222	Support Nquthu disaster management centre
Mr Mbatha	082 717 2069	
Director Corporate Services	034 271 6100	Supervise and support disaster management unit
Ms. K.C Ngobese	076 140 5374	
Nquthu Technical Services	034 – 271 6161	Provision of heavy plant
Mr M Gcabashe	071 544 9074	Repairs to infrastructure
Nquthu Municipal Manager	034 – 271 6100	Authorise emergency expenditure
Mr B.P Gumbi	082 933 0865	
Nquthu Municipal Disaster Management Manager	034 271 6100	Assigned to develop, review, and implement disaster management plan for the municipality
Mr. M.A Zulu	072 948 6678	

## **5. INFORMATION MANAGEMENT AND COMMUNICATION**

### **5.1 Early Warning Strategy**



The municipality uses Push-To-Talk devices connected to a cellular network to communicate and send early warnings to councillors and ward committees so that warnings can reach vulnerable communities on the ground.

## ***6. EDUCATION, TRAINING, PUBLIC AWARENESS AND RESEARCH***

### **6.1 Capacity Building Programmes**

The municipality aims to train Ward Committees and other community structures on disaster management programmes 2-3 times a year.

### **6.2 Public Awareness Campaigns**

The municipality aims to conduct more than 40 schools awareness campaigns every year. Through war rooms, public events, schools visits, and OSS, the municipality shares disaster risk talks with attendees.

### **6.3 Research**

The municipality has not yet conducted any research study on disaster risk management.

## ***7. FUNDING ARRANGEMENTS FOR DISASTER RISK MANAGEMENT***

### **7.1 Funding Mobilization Strategy**

The municipality committed a budget draft showed in the table below for 2017/18.

<b>PROGRAMME</b>	<b>BUDGET</b>
Fire Services	R780 000
Disaster Management	R2 960 000